VAUX.

Speculum anni a partu virginis, 1659.

OR,

A New Almanack for the Year of the Worlds Redemption, 1659.

Being the third from Biſſextile or Leap-year.

Calculated and compoſed for the Meridian of the antient City of *Durham*, where the Pole is mounted above the Horizon almoſt 55. degrees.

By *John Vaux* of St. *Helen's Auckland*, Anno ætatis ſuæ, 84.

The 39. Edition.

Nemo confidat nimium ſecundis,
Nemo deſperet meliora laſſus:
Miſcet hæc illis prohibetq; Clotho
Stare fortunam. ———

Let him that ſtands beware leſt that he fall,
Let him that's fall'n hope he may riſe again:
The Providence Divine that mixeth all,
Chains joy to grief by turns, and loſs to gain.

LONDON,

Printed by *Gartrude Dawſon*, for the Company of Stationers.

Feasts, for this present year, 1659. according both to the English and Reformed account.

The Julian, Scaligerian, or English Account.		*The Lilian, Gregorian, or Romane Account.*	
The Golden Number	7	Aureus Numerus	7
The Cycle of the Sun	16	Cyclus Solaris	16
The Domin. Letter		Litera Dominicalis	
The Roman Indiction	12	Romana Indictio	12
The Epact.	17	Epactæ	7
Shrovesunday,	Feb. 13	Quinquagesima	Feb. 23
Easter day,	April 3	Dominica Paschatis,	Apr. 13
Ascension day,	May 12	Ascensio Domini	May 22
Whitsunday	May 22	Pentecoste	June 1
Trinity Sund.	May 29	Festus Trinitatis	June 8
Advent Sund.	Nove. 27	Adventus Dom.	Nov. 30

From the Nativity of Christ to Shrovesunday, is 7. weeks 1. day.	Interval. minus five Numer. hebd. & dier. inter Nat. Dom. & Ecto mihi. hebd. 8. dier. 4.

4 weeks 5 dayes	Betwixt Whitsunday and Midsummer	3 weeke, 2 dayes.
25 weeks	Betwixt Whitsund. & Advent called *Interv. majus.*	24 weeks:

Veneris ingens fidus cum antegreditur Solem φωσφορὸς Græce, Lucifer Latine dicitur, Cum subsequitur & ab occasu refulgit, vesper, vesperago & ἕσπερος appellatur.

To the Buyers yearly of Almanacks and Prognoſtications.

Præfatio, Sive admonitio pia & utilis.

THou whoſe ſhort ſpan of life, as plain appeares,
Hangs but upon the waſt of ſome few yeares:
Which that Arithmetician beſt of men
Caſt up in his account threeſcore and ten.
How ſoon they will determine, dig thy grave,
Thou may'ſt obſerve, thou ſeeſt what wings they have,
How with no ſound they wheel their time about,
Eating with ſilence lives and leaſes out:

Invigilate viri, tacito nam tempora greſſu
Diffugiunt, nulloq; ſono convertitur annus.

As here's a date but yeſterday renu'd,
No longer ſince, yet doth a year conclude,
In which the Diary of little coſt
Is ſoon run out, and that ſmall value loſt
Wherewith 'twas purchas'd; If thou not extend
Thy thoughts, to make it thus far forth thy friend,
That every year thy Almanack thou buyeſt,
Th'art one year nearer to the year thou dyeſt:
And from that meditation ſo prepares
Thy ſelf, that death not ſeize thee unawares.
One year thus to another yeilding room,
Hath fill'd up many a Sepulcher and Tomb:
Fretted out Braſſe with age, Marble with ruſt,
Converted Generations into duſt.
From which collect, though here ſo young thou be,
This may be Doomeſ-dayes finall year with thee;
And from that motive ſuch a method borrow,
As thou ſhould'ſt live an Age, or dye to morrow.

Ultima ſemper expectanda dies.

the twelve Signes of the Zodiaque over the Body of Man.

♈ Head and face.

♉ Neck and throat.

♋ Breast, stomack, and ribs.

♌ Bowels and belly.

♍ Secret members.

♎ Knees.

♏ Armes and shoulders.

♐ Heart and backe

♑ Reines and loynes

♒ Thighes.

♓ Legs.

♓ Feet.

De Signis Cœleſtibus Hexaſticha.

♈ ♉. *Signorum princeps, Aries & Taurus, & una,*
♊. ♋. *Tindaridæ juvenes, & ſervida brachia Cancri,*
♌. ♍. *Herculeuſq; Leo Nemeæ pavor, almaq; Virgo.*
♎. ♏. *Libra jugo æquali pendens, & Scorpius acer.*
♐. ♑. *Centauruſq; ſenex Cheiron, & Cornua Capri.*
♒. ♓. *Et Iuvenis geſtator aquæ: Piſceſq; ſupremi.*

Note, That the year of our Lord God, according to the accompt uſed in *England*, for the Dates of all Evidences, Records, and Writings, begin-neth the 25 day of *March*, ſo that the 24 day of *March* is the laſt day of the year 1658.

Si duo de noſtris rollas pronomina rebus,
Prælia ceſſarent, pax ſine lite foret.

Laſt quarter the 6 day. 28 min. paſt 4. In the morning.
New Moon the 12 day. 14 min. paſt 9 at night.
Firſt Quarter the 20 day 8 min. before 6. in the morn
Full Moon the 28 day, 10 min. before 5. in the morn

1	a		8.21	3.39	back	6.	1	5	59
2	b	2 Sun.af.Ch.	8.19	3.41	bowels &	6.	2	6	0
3	c	Oct. Stephen	8.18	3.42	belly	5.	59	6	1
4	d	Oct. Innoc.	8.17	3.43	reins and	5	57	6	3
5	e	Simeon	8.15	3.45	loines	5	56	6	4
6	f	[illegible]	8.14	3.46	ſecrets	5.	55	6	5
7	g	Juliana	8.12	3.48	ſecrets &	5.	54	6	6
8	a	Lucian.	8.10	3.50	bladder	5.	52	6	8
9	b	1 Sun.af. Ep	8. 8	3.52	thighes	5.	51	6	9
10	c	[illegible]	8. 6	3.54	thighs	5.	49	6	11
11	d	Linus mar.	8. 5	3.55	knees	5.	48	6	12
12	e	Tyrade m.	8. 3	3.57	knees	5.	46	6	14
13	f	Hilary biſh.	8. 1	3.59	legs	5.	44	6	16
14	g	Felix prieſt	8. 0	4. 0	legs	5.	43	6	17
15	a	Maur. Ab.	7.58	4. 2	feet	5	42	6	18
16	b	2Sun.af. Ep.	7.57	4. 3	feet	5.	41	6	19
17	c	Anthony b.	7.55	4. 5	head and	5.	39	6	21
18	d	Priſca vir.	7.53	4. 7	face	5	38	6	22
19	e	Wolſtan.	7.51	4. 9	neck	5.	37	6	23
20	f	Oct.Hilla.	7.49	4 11	neck and	5	35	6	25
21	g	Agnes vir.	7.47	4 13	throat	5.	34	6	26
22	a	Vincent m.	7.45	4. 15	armes and	5.	33	6	27
23	b	3 Sun. af. Ep.	7.43	4.17	ſhoulders	5.	31	6	29
24	c	[illegible]	7.41	4.19	breaſt	5	29	6	31
25	d	Conv. Paul.	7.40	4.20	breaſt and	5.	27	6	33
26	e	Polycarp.	7.38	4.22	ſtomack	5.	26	6	34
27	f	Quin. Hil.	7.36	4.24	heart and	5.	24	6	36
28	g	Valer. biſh.	7.34	4.26	back	5.	23	6	38
29	a	Theodore	7.32	4.28	bowels &	5.	21	6	39
30	b	Septuageſima	7.29	4.31	belly	5	19	6	41
31	c	Sat. Vig.	7.27	4.33	reins	5.	17	6	43

Last Quarter the 4 day, 23 min. past 4. in the after.
New Moon the 11 day, 13 min. past 9 in the morn.
First Quarter the 19 day, at 3 of the clock in the mor.
Full Moon the 26 day, 55 min. before midnight.

D.	W. D.	Fixed feasts.	sun rise	sun set	Moons place.	Break of day	Twi-light
1	B	Bridget	7,25	4,35	reines and	5,15	6,45
2	c		7,23	4,37	loines	5, 4	6,46
3	f	Craft. Purif. V.	7,20	4,40	secrets &	5,12	6,48
4	g	Gilbert B.	7,18	4,42	bladder	5,10	6,50
5	a	Agatha vir.	7,16	4,44	thighes	5, 8	6,52
6		exagesima	7,13	4,47	thighes	5 6	6.54
7	c	Augulus B.	7,11	4,49	knees	5, 4	6,56
8	D	Parthen b.	7, 9	4,51	knees	5, 2	6,58
9			7, 7	4,53	legs	5, 0	7, 0
10	f	Apollonius.	7, 5	4,55	legs	4,58	7, 2
11	g	Scholastica	7, 3	4,57	feet	4,56	7, 4
12	a		7, 1	5,59	feet	4,54	7, 6
13		Shrovesund.	6,58	5, 2	head	4,52	7, 9
14	c	Valentine	6,56	5, 4	head and	4,49	7,11
15			6,54	5, 6	face	4,47	7,13
16	f	Ash-wednes.	6,52	5, 8	neck and	4,45	7,15
17	f	Polit. ronius	6,50	5,10	throat	4,43	7, 7
18	g	Concordia	6,48	5,12	armes	4,41	7,19
19		Sabinus	6,45	5,15	armes and	4,39	7,21
20		Quadragesem.	6,43	5,17	shoulders	4,36	7,24
21		7 Martyrs.	6,41	5,19	breast and	4,34	7,26
22	D	Cath. S. pe.	6,38	5,22	stomack	4,32	7,28
23	e	Policarp	6,36	5,24	heart	4,30	7,30
24			6,34	5,26	heart and	4,28	7,33
25	g	Walburg	6,31	5,29	back	4,25	7,35
26	a	Alexan. bish.	6,29	5,31	bowels &	4.23	7,37
27		2 sun in Lent	6,27	5,33	belly	4,20	7,40
28	c	Oswald bi	6,24	5,36	reins and	4,18	7,44

Laſt quarter the 5 day. 5 min. before 9 in the evening.
New-moon the 12 day, 9 min. paſt 10 at night.
Firſt quarter the 20 day, 47 min. before midnight.
Full-moon the 28 day, 26 min. before 11 in the fore-n.

1	D	David	22	5	38	loins	4 11	7	45
2	E	Chad biſh.	6 20	5	40	ſecrets &	4 13	7	47
3	F	Martine.	6 18	5	42	bladder	4 11	7	49
4	G	Ianuice bi.	6 16	5	44	thighes	4 8	7	52
5	A	Adrian mar.	6 13	5	47	thighes	4 6	7	54
6	B	3 Sun. in Lent	6 11	5	49	knees	4 3	7	57
7	C	Victor & M.	6 9	5	51	knees	4 1	7	59
8	D	Timothy.	6 6	5	54	legs	3 58	8	2
9	E	xl martyrs	6 4	5	56	legs	3 55	8	5
10	F	Agapit, virg.	6 2	5	58	legs	3 52	8	8
11	G	☽ in Arieſe.	6 0	6	0	feet	3 49	8	11
12	A	Quirian	5 58	6	2	feet	3 47	8	13
13	B	4 ſun. in Lent.	5 56	6	4	head &	3 45	8	15
14	C	Theod. mart.	5 54	6	6	face	3 42	8	18
15	D	Euzith mart.	5 51	6	9	neck	3 39	8	21
16	E	Longine ma.	5 49	6	11	neck &	3 36	8	24
17	F	Boniface bi.	5 47	6	13	throat	3 33	8	27
18	G	Gaztrude v.	5 44	6	16	arms &	3 30	8	30
19	A	Edw. King	5 42	6	18	ſhoulders	3 27	8	33
20	B	5 Sun. in Lent	5 40	6	20	breaſt	3 24	8	36
21	C	Cuthbert.	5 38	6	22	breaſt &	3 21	8	38
22	D	Benedictus	5 36	6	24	ſtomack	3 19	8	41
23	E	Aphrodiſe	5 33	6	27	heart and	3 16	8	44
24	F	Candide	5 31	6	29	back	3 13	8	47
25	G	Annun. Mary	5 29	6	31	bowels &	3 10	8	50
26	A	Caſtor Mar.	5 26	6	34	belly	3 6	8	54
27	B	Palm ſunday	5 24	6	36	reins and	3 3	8	57
28	C	Dorothy vi.	5 22	6	38	loins	3 0	9	0
29	D	Thom. Aqu.	5 20	6	40	ſecrets &	2 56	9	4
30	E	Quirine	5 18	6	42	bladder	2 53	9	7
31	F	Maund. Thur.	5 16	6	44	thighs	2 49	9	11

Last quarter the 4 day, 37 min. past 3 in the morning.
New moon the 11 day, 30 min. after high noon.
First quarter the 19 day, 11 min. before 5 in the afternoon.
Full moon the 26 day, 14 min. before 8 in the evening.

1	g	Good Friday.	5	14	6	46	*thighes*	2	46	9	14
2	a	Mary Egy.	5	12	6	48	*knees*	2	43	9	17
3		Easter day.	5	10	6	50	*knees*	2	40	9	20
4	c	Maxtian.	5	8	6	52	*knees*	2	37	9	23
5	d	Sixtus bish	5	6	6	54	*legs*	2	33	9	27
6	e	Ambrosius	5	4	6	56	*legs*	2	30	9	30
7	f	Egesippus	5	2	6	58	*feet*	2	26	9	34
8	g	Euphemia	4	59	7	1	*feet.*	2	23	9	37
9	a	Perpetuus	4	57	7	3	*head and*	2	20	9	40
10		Low Sunday.	4	55	7	5	*face*	2	16	9	44
11	c		4	53	7	7	*neck*	2	14	9	46
12	d	Julius	4	51	7	9	*neck and*	2	8	9	52
13	e	Justinus	4	49	7	11	*throat*	2	4	9	56
14	f	Tiburtius	4	47	7	13	*armes and*	2	0	10	0
15	g	Dorothe vir.	4	45	7	15	*shoulders*	1	55	10	5
16	a	Ildoze	4	42	7	18	*breast*	1	50		10
17		2 Sun. af. East.	4	40	7	20	*breast &*	1	40	00	15
18	c	Valerianus	4	38	7	22	*stomack*	1	35	10	20
19	d	Alphige	4	36	7	24	*heart &*	1	30	10	25
20	e		4	34	7	26	*back*	1	24	10	30
21	f	Anicete bish.	4	32	7	28	*bowels*	1	18	10	36
22	g	Socher	4	30	7	30	*bowels &*	1	12	10	42
23	a	St. George	4	28	7	32	*belly*	1	6	10	48
24		3 sun. af. East.	4	26	7	34	*reines &*	1	3	10	54
25	c		4	24	7	36	*loines*	1	0	11	0
26	d	Treg Pase.	4	22	7	38	*secrets &*		54	11	6
27	e	Anastatius	4	20	7	40	*bladder*		46	11	14
28	f	Vitalis	4	18	7	42	*thighes*		38	11	22
29	g	Peter	4	16	7	44	*thighes*		26	11	34
30	a	Cantate	4	14	7	46	*knees*		16	11	44

Laſt quarter the 3 day, 15 min. beſ. 11 in the forenoon.
New moon the 11 day, 15 min. before 4 in the morn.
Firſt quarter the 19 day, 41 min. paſt 6 in the morning.
Full moon the 26 day, 27 min. paſt 3 in the morning.

1		4 ſun. af. Eaſt.	4 12	7 48	*knees*	4	11 56
2	c	Menſ. paſch.	4 10	7 50	*legs*		
3	d	Inventio cr.	4 8	7 52	*legs*		
4	e	Florianus	4 6	7 54	*feet*		
5	f	Gothartus	4 4	7 56	*feet*		
6	g	Jo. Bo. Lat.	4 3	7 57	*head*		
7		Jo: Beverley	4 1	7 59	*head and*		
8	a	Rogation ſun.	4 0	8 0	*face*		
9	b	Mut. Patchæ	3 58	8 2	*neck and*		
10	c	Anthony.	3 57	8 3	*throat*		
11	d		3 55	8 5	*armes*		
12	e		3 54	8 6	*armes and*		
13	f	Boniface	3 52	8 8	*ſhoulders*		
14	g	Ildoze	3 51	8 9	*breaſt and*		
15	a	6 Sun. af. Eaſt.	3 49	8 11	*ſtomack*		
16	b		3 47	8 13	*heart*		
17	c	Dunſtan	3 46	8 14	*heart &*		
18	d	Dioſcor mar.	3 44	8 16	*back*		
19	e	Barnard	3 43	8 17	*bowels &*		
20	f	Aken Mu.	3 42	8 18	*belly*		
21	g	Julian	3 41	8 19	*reins and*		
22			3 40	8 20	*loines*		
23	a	Deſiderius	3 39	8 21	*ſecrets and*		
24	b	Franc. ts.	3 38	8 22	*bladder*		
25	c	Urbanus	3 37	8 23	*thighes*		
26	d	Beda	3 36	8 24	*thighes*		
27	e	Melens	3 35	8 25	*knees*		
28	f	Parmenes	3 34	8 26	*Knees*		
29	g	Trinit. Sund.	3 33	8 27	*Leggs*		
30	a	Trad Trin.	3 32	8 28	*leggs*		
31	b	Petronella	3 31	8 29	*feet*		

Day Continual. Day Continual. Day Continual. Day Continual. Day Continual.

June hath xxx dayes

Last quarer the 1 day, 20 min. past 7 in the evening.
New moon the 9 day, 13 min. past 7 in the evening.
First quarter the 17 day, 14 min. before 6 in the even.
Full moon the 24 day, 23 min. past 10 in the forenoon.

1	e	Nicomede	3 30	8 30	*feet*			
2	f	Corpus Chri.	3 30	8 30	*feet*			
3	g	Term begins	3 29	8 31	*head and*			
4	a	Choronia.	3 29	8 31	*face*			
5	B	1 sun. af. Tri.	3 28	8 32	*neck and*			
6	c	Oct. Trinitat.	3 28	8 32	*throat*			
7	d	William Ar.	3 28	8 32	*armes*			
8	e	Medardus	3 28	8 32	*armes and*			
9	f	Innocent	3 28	8 32	*shoulders*			
10	g	Onaphrius	3 28	8 32	*breast and*			
11	a	Sol sub cancro	3 27	8 33	*stomack*			
12	B	2 sun. af. Tri.	3 27	8 33	*heart*			
13	c	Quind. Trinit.	3 27	8 33	*heart and*			
14	d	Valerius	3 27	8 33	*back*			
15	e	Vitus	3 28	8 32	*bowels &*			
16	f	Rolandus	3 28	8 32	*belly*			
17	g	Richard tra.	3 28	8 32	*reines*			
18	a	Boculph	3 28	8 32	*reines and*			
19	B	3 sun. af. Tri.	3 28	8 32	*loins*			
20	c	Tres Trinitat.	3 28	8 32	*se rets &*			
21	d	X. M. Mart	3 29	8 31	*bladder*			
22	e	Term ends.	3 29	8 31	*thighes*			
23	f	Albane M.	3 30	8 30	*thighes*			
24	g	S. John Bapt.	3 30	8 30	*knees*			
25	a	Eleg. Tran.	3 31	8 29	*legs*			
26	B	4 sun. af. Trin.	3 32	8 28	*legs*			
27	c	M. Cr seen	3 33	8 27	*feet*			
28	d	Leo Bishop	3 34	8 26	*feet*			
29	e	[illegible]	3 35	8 25	*head and*			
30	f	Con. of Paul.	3 36	8 24	*face*			

Day Continual. Day Continual. Day Continual. Day Continual. Day Continual.

Laſt Quarter the 1 day, 39 min. paſt 6 in the morning.
New m on the 9 day, 14 min. paſt 10 in the morning.
Firſt Quarter the 17 day, 19 min. paſt 2 in the morning.
Full Moon the 23 day, 31 min. paſt 5 in the morning.
Laſt Quarter he 30 day, 6 min. before 9 in the evening.

							Day Continual.	Day Continual.	Day Continual.	Day Continual.
1	g	Oct. St. John.	3	37	8	23	*head*			
2		Visitat. Mary.	3	38	8	22	*neck*			
3		5 ſun. af. Trin.	3	39	8	21	*neck &*			
4		Th Tranſ.	3	40	8	20	*throat*			
5		Anſelm	3	41	8	19	*armes*			
6	e	Octa Petri.	3	42	8	18	*ſhoulders*			
7		Zoe Virg.	3	43	8	17	*breaſt*			
8		Thilian	3	44	8	16	*breaſt and*			
9	a	Cyrillus	3	46	8	14	*ſtomack*			
10		6 ſun. af. Trin.	3	47	8	13	*heart and*			
11		Pius	3	49	8	11	*back*			
12	b	Nabo. & Fel.	3	51	8	9	*bowels &*			
13	c	Solſtit Leone	3	52	8	8	*belly*			
14	d	Divif. Apo	3	54	8	6	*reines*			
15		Swithin	3	55	8	5	*reines and*			
16	a	Rolland Biſh	3	57	8	3	*loines*			
17		7 ſun. af. Trl.	3	58	8	2	*ſecrets and*			
18	c	Roſina	4	0	8	0	*bladder.*			
19	d	Arnulph	4	1	7	59	*thighes*			
20	e	Dog dates beg.	4	3	7	57	*thighes*			
21	f	Praxedes	4	4	7	56	*knees*			
22	g	Mary Mag.	4	6	7	54	*knees*			
23		Apolinarius	4	8	7	52	*legs*			
24		8 ſun. af. Tri.	4	10	7	50	*legs*			
25	c	St. James	4	12	7	48	*feet*			
26	d	Anna	4	14	7	46	*feet*			
27	e	Martha	4	16	7	44	*head and*			
28	f	Sampſ. B.	4	18	7	42	*face*			
29	g	Beatrix	4	20	7	40	*neck*			
30	a	Abd. & Sa	4	22	7	38	*neck and*			
31		9 ſun. af. Tri.	4	24	7	36	*throat*			

Day Continual.	Day Continual.	Day Continual.	Day Continual.
4	11	56	
16	11	44	
26	11	34	
38	11	22	
46	11	14	
54	11	6	
0	11	0	

June hath xxx dayes

Last quarer the 1 day, 20 min. past 7 in the evening.
New moon the 9 day, 13 min. past 7 in the evening.
First quarter the 17 day, 14 min. before 6 in the even.
Full moon the 24 day, 23 min. past 10 in the forenoon.

1	e	Nicomede	3 30	8 30	*feet*			
2	f	Corpus Chri.	3 30	8 30	*feet*			
3	g	Term begins	3 29	8 31	*head and*			
4	a	Choronia.	3 29	8 31	*face*			
5	B	1 sun. af. Tri.	3 28	8 32	*neck and*	Day Continual.	Day Continual.	Day Continual.
6	c	Oct. Trinitat.	3 28	8 32	*throat*			
7	d	William Ar.	3 28	8 32	*armes*			
8	e	Medardus	3 28	8 32	*armes and*			
9	f	Innocent	3 28	8 32	*shoulders*			
10	g	Onaphrius	3 28	8 32	*breast and*			
11	a	Sol sub cancro	3 27	8 33	*stomack*			
12	B	2 sun. af. Tri.	3 27	8 33	*heart*			
13	c	Quind. Trinit.	3 27	8 33	*heart and*			
14	d	Valerius	3 27	8 33	*back*			
15	e	Vitus	3 28	8 32	*bowels &*			
16	f	Rolandus	3 28	8 32	*belly*			
17	g	Richard tra.	3 28	8 32	*reines*			
18	a	Boculph	3 28	8 32	*reines and*			
19	B	3 sun. af. Tri.	3 28	8 32	*loins*			
20	c	Tres Trinitat.	3 28	8 32	*se rets &*			
21	d	X. M. Mart	3 29	8 31	*bladder*			
22	e	Term ends.	3 29	8 31	*thighes*			
23	f	Albane M.	3 30	8 30	*thighes*			
24	g	S. John Bapt.	3 30	8 30	*knees*			
25	a	Eleg. Tran.	3 31	8 29	*legs*			
26	B	4 sun. af. Trin.	3 32	8 28	*legs*			
27	c	D. Crescen	3 33	8 27	*feet*			
28	d	Leo Bishop	3 34	8 26	*feet*			
29	e	St Peter.	3 35	8 25	*head and*			
30	f	Con. of Paul.	3 36	8 24	*face*			

Last Quarter the 1 day, 39 min. past 6 in the morning.
New m on the 9 day, 14 min. past 10 in the morning.
First Quarter the 17 day, 19 min. past 2 in the morning.
Full Moon the 23 day, 31 min. past 5 in the morning.
Last Quarter he 30 day, 6 min. before 9 in the evening.

								Day Continual.	Day Continual.	Day Continual.
1	g	Oct. St. John.	3	37	8	23	head	4	11	56
2		Visitat. Mary.	3	38	8	22	neck	16	11	44
3		5 sun. af. Trin.	3	39	8	21	neck &	26	11	34
4		Th Transf.	3	40	8	20	throat	38	11	22
5		Anselm	3	41	8	19	armes	46	11	14
6	c	Octa Petri.	3	42	8	18	shoulders	54	11	6
7	d	Zoe Virg.	3	43	8	17	breast	0	11	0
8	e	Thilian	3	44	8	16	breast and			
9	a	Cyrillus	3	46	8	14	stomack			
10		6 sun. af. Trin.	3	47	8	13	heart and			
11	c	Pius	3	49	8	11	back			
12	D	Nabo. & Fel.	3	51	8	9	bowels &			
13	e	Sol sub Leone	3	52	8	8	belly			
14	f	Divis. Apo	3	54	8	6	reines			
15	g	Swithin	3	55	8	5	reines and			
16	a	Rolland Bish	3	57	8	3	loines			
17		7 sun. af. Tri.	3	58	8	2	secrets and			
18	C	Rosina	4	0	8	0	bladder.			
19	D	Arnulph	4	1	7	59	thighes			
20	e	Dog dates beg.	4	3	7	57	thighes			
21	f	Praxedes	4	4	7	56	knees			
22	g	Mary Mag.	4	6	7	54	knees			
23	a	Apollinarius	4	8	7	52	legs			
24		8 sun. af. Tri.	4	10	7	50	legs			
25	c	St. James	4	12	7	48	feet			
26	D	Anna	4	14	7	46	feet			
27	e	Martha	4	16	7	44	head and			
28	f	Sampf. B.	4	18	7	42	face			
29	g	Beatrix	4	20	7	40	neck			
30	a	Abd. & Sa	4	22	7	38	neck and			
31		9 sun. af. Tri.	4	24	7	36	throat			

New moon the 8 day, 26 min after midnight.
First quarter the 15 day, 29 min. past 9 in the forenoon.
Full Moon the 22 day, 2 min. past 2 in the morning.
Last quarter the 30 day, 9 min. past 2 in the afternoon.

1	c	Lammas day	4	26	7	34	*arms and*	1	6	10	54
2	d	Steven. M.	4	28	7	32	*Shoulders*	1	12	10	48
3	e	Iustine Pr.	4	30	7	30	*breast*	1	18	10	42
4	f	Aristarchus	4	32	7	28	*breast and*	1	24	10	36
5	g	Oswald.	4	34	7	26	*stomack*	1	30	10	30
6	a	Sixtus	4	36	7	24	*heart and*	1	35	10	25
7		10 sun. af. Trl.	4	38	7	22	*Back*	1	40	10	20
8	c	Ciriack	4	40	7	20	*bowels*	1	50	10	5
9	d	Romane ma.	4	42	7	18	*bowels &*	1	55	10	10
10	e	Laurene ma.	4	45	7	15	*belly*	1	0	10	45
11	f	Tiburt mar.	4	47	7	13	*reins and*	2	4	11	0
12	g	Clare	4	49	7	11	*loins*	2	8	9	56
13	a		4	51	7	9	*secrets &*	2	12	9	52
14		11 sun. af. Trl.	4	53	7	7	*bladder*	2	16	9	48
15	b	Assump. M.	4	55	7	5	*thighes*	2	20	9	44
16	c	Rochus	4	57	7	3	*thighes*	2	23	9	40
17	d	Oda Laer.	4	59	7	1	*knees*	2	26	9	37
18	e	Helena	5	2	6	58	*knees*	2	30	9	34
19	f	Sebaldus	5	4	6	56	*legs*	2	33	9	30
20	g	Leonard	5	6	6	54	*legs*	2	37	9	27
21	a	12 sun. af. Trl.	5	8	6	52	*leggs*	2	40	9	23
22	c	Timothy	5	10	6	50	*fees*	2	43	9	20
23	d	Zacheus	5	12	6	48	*fees*	2	46	9	17
24	e		5	14	6	46	*head and*	2	49	9	14
25	f	Ludovicus	5	16	6	44	*face*	2	53	9	11
26	g	Ruff. mart.	5	18	6	42	*neck and*	2	55	9	7
27	a	Severine	5	20	6	40	*throat*	2	59	9	4
28		13 sun. af Eaft	5	22	6	38	*armes*	3	0	9	0
29	c		5	24	6	34	*armes and*	3	3	8	57
30	d	J. B. decol.	5	26	6	36	*shoulders*	3	6	8	54
31	e	Cleopers	5	29	6	31	*breast and*	3	10	8	50

New moon the 6 day, 5 min. before 2 in the afternoon
First quarter the 13 day, 15 min. before 4 in the aftern
Full moon the 20 day, 52 min. past high noon
Last quarter the 28 day, 33 min. past 9 in the forenoon

1	f	Giles abbot	5 31	6 29	ſtomack	3 13	8 47
2	g	Anthony.	5 33	6 27	heart	3 16	8 44
3	a	Odin. Oz.	5 36	6 24	heart and	3 19	8 41
4		14 ſun.af. Trl.	5 38	6 22	back	3 22	8 38
5	c	Cuthb.tranſ.	5 40	6 20	bowels &	3 24	8 36
6	d	Magnus	5 42	6 18	belly	3 27	8 33
7	e	Regina	5 44	6 16	reins and	3 30	8 30
8	f	Nat. v. Mariæ	5 47	6 13	loins.	3 33	8 27
9	g	Gozgan	5 49	6 11	ſecrets &	3 36	8 24
10	a	Hilbius.	5 51	6 9	bladder	3 39	8 21
11		15 ſun.af. Trl.	5 54	6 6	thighes	3 42	8 18
12	c	Maximilian.	5 56	6 4	thighes	3 45	8 15
13	d		5 58	6 2	thighes	3 47	8 13
14	e	Exalt crucis	6 0	6 0	knees	3 49	8 11
15	f	Nichodemus	6 2	5 58	knees	3 52	8 8
16	g	Euphemia	6 4	5 56	legs	3 55	8 5
17	a	Lambert.	6 6	5 54	legs	3 58	8 2
18		16 Sun af. Trl.	6 9	5 51	feet	4 1	7 59
19	c	Emmenius	6 11	5 49	feet	4 3	7 57
20	d	Euſtace	6 13	5 47	head and	4 6	7 54
21	e		6 16	5 44	face	4 8	7 52
22	f	Mauritius	6 18	5 42	neck	4 11	7 49
23	g	Ebba	6 20	5 40	Neck and	4 13	7 47
24	a	Samuel	6 22	5 38	throat	4 15	7 45
25		17 ſun.af. Trl.	6 24	5 36	armes	4 18	7 42
26	c	Cyprian	6 27	5 33	armes and	4 20	7 40
27	d	Colm.dam.	6 29	5 31	ſhoulders	4 23	7 37
28	e	Exuperius	6 31	5 29	breaſt &	4 25	7 35
29	f		6 34	5 26	ſtomack	4 27	7 33
30	g	Hieronim.	6 36	5 24	heart and	4 30	7 30

New moon the 6 day, 39 min. past 2 in the morning.
First quarter the 12 day, 24 min. past 10 at night.
Full moon the 20 day, 9 min. before 3 in the morning.
Last quarter the 28 day, 33 min. past 5 in the morning

1	a	Remegius.	6	38	5	22	*back*	4	32	7	28
2	b	18 sun.af Tri.	6	41	5	19	*bowels &*	4	34	7	26
3	c	Candid.mar.	6	43	5	17	*belly*	4	36	7	24
4	d	Franciscus	6	45	5	15	*reines*	4	39	7	21
5	e	Apolinar:	6	48	5	12	*reins and*	4	42	7	19
6	f	Faith v.e m	6	50	5	10	*loines*	4	43	7	17
7	g	Marke mar.	6	52	5	8	*secrets &*	4	45	7	15
8	a	Pelagius.	6	54	5	6	*bladder*	4	47	7	13
9	b	19 sun.af.Tri.	6	56	5	4	*thighes*	4	49	7	11
10	c	Cereon	6	58	5	2	*thighes*	4	51	7	9
11	d	Burchard	7	1	4	59	*knees*	4	54	7	6
12	e	Colman	7	3	4	57	*knees*	4	56	7	4
13	f	Calixtus	7	5	4	55	*legs*	4	58	7	2
14	g	Tol sub Scorp	7	7	4	53	*legs*	5	0	7	0
15	a	Wolfran	7	9	4	51	*feet*	5	2	6	58
16	b	20 sun.af. Tri.	7	11	4	49	*feet*	5	4	6	56
17	c	Eranf.Ethel	7	13	4	47	*head*	5	6	6	54
18	d	Luke Evang.	7	16	4	44	*head and*	5	8	6	52
19	e	Ptolemæus	7	18	4	42	*face*	5	10	6	50
20	f	Fres Michael	7	20	4	40	*neck and*	5	12	6	48
21	g	11000 Virg	7	23	4	37	*throat*	5	14	6	46
22	a	Cuzduia	7	25	4	35	*arms and*	5	15	6	45
23	b	21 sun.af.Tri.	7	27	4	33	*shoulders*	5	17	6	43
24	c	Farm begins	7	29	4	31	*breast*	5	19	6	41
25	d	Chrispinus	7	32	4	28	*breast and*	5	21	6	39
26	e	Emanuus	7	34	4	26	*stomack*	5	23	6	38
27	f	Mens. Mich.	7	36	4	24	*Heart and*	5	24	6	36
28	g	Sim & Jude	7	38	4	22	*back*	5	26	6	34
29	a	Narcissus	7	40	4	20	*bowels*	5	27	6	33
30	b	22 sun.af. Tri.	7	41	4	19	*bowels &*	5	29	6	31
31	c	Quintine	7	43	4	17	*belly.*	5	31	6	29

November hath xxx dayes.

New moon the 2 day, 29 min. past 2 in the afternoon.
First quarter the 11 day. 34 min. past 6 in the morning.
Full moon the 18 day, 1 min. before 8 at night.
Last quarter the 27 day, 33 min. after midnight.

1	D	All Saints.	7	45	4	15	Reines &	5	33 6 27
2	e	All Soules.	7	47	4	13	loins	5	34 6 26
3	f	Craft. Anim.	7	49	4	11	secrets &	5	35 6 25
4	g	Amantius.	7	51	4	9	bladder.	5	37 6 23
5	a	Powder Tre.	7	53	4	7	thighes	5	38 6 22
6	b	23 sun.af.Tri.	7	55	4	5	thighes	5	39 6 21
7	c	Florent	7	57	4	3	knees	5	41 6 19
8	D	Willrid Bi.	7	58	4	2	knees	5	42 6 18
9	e	Theodorus	8	0	4	0	legs	5	43 6 17
10	f	Triphon	8	1	3	59	legs	5	44 6 16
11	g	Martine B.	8	3	3	57	feet	5	46 6 14
12	a	Craft Mart.	8	5	3	55	feet	5	48 6 12
13	b	24 sun.af.Tri.	8	6	3	54	feet	5	49 6 11
14	c	Sol in Sagit.	8	8	3	52	Head &	5	51 6 9
15	D	Leopoldus	8	10	3	50	face	5	52 6 8
16	e	Edmund.	8	12	3	48	neck and	5	54 6 6
17	f	Hughbish. L.	8	14	3	46	throat	5	55 6 5
18	g	Octab. Mart.	8	15	3	45	arms	5	56 6 4
19	a	S. Elizab.	8	17	3	43	armes and	5	57 6 3
20	b	25 sun.af.Trin	8	18	3	42	shoulders	5	59 6 1
21	c	Oblat.of M.	8	19	3	41	breast and	6	0 6 0
22	D	Cecilia	8	21	3	39	stomack	6	1 6 59
23	e	Clement.	8	22	3	38	heart	6	1 5 59
24	f	Chrisogonus	8	23	3	37	heart and	6	2 5 58
25	g	Quind. Mart.	8	24	3	36	back	6	3 5 57
26	a	Conradus	8	25	3	35	bowels &	6	3 5 57
27	b	Advent Sund.	8	26	3	34	belly	6	4 5 56
28	c	Term ends.	8	27	3	33	reines and	6	5 5 55
29	D	Saturn	8	28	3	32	loines,	6	5 5 55
30	e	Andrew Apo.	8	29	3	31	secrets &	6	6 5 54

New moon the 4 day. 51 min. past 1 in the morning.
First quarter the 10 day, 20 min. past 5 in the evening.
Full moon the 18 day, 37 min. after high noon.
Last quarter the 26 day, 18 min past 5 in the evening

1	f	Loy dish.	8	29	3	31	*secrets &*	6	0	5 54
2	g	Candlous	8	30	3	30	*bladder*	6	0	5 54
3	a	Cassianus	8	30	3	30	*thighes*	6	1	5 53
4		2 sun. in Adv.	8	31	3	29	*thighes*	6	1	5 53
5	b	Nicholaus	8	31	3	29	*knees*	6	2	5 53
6	b	Vvastatius	8	32	3	28	*knees*	6	1	5 53
7	c	Andrew bi.	8	32	3	28	*legs*	6	1	5 53
8	f	Concept. Mary	8	32	3	28	*legs*	6	1	5 53
9	g	Joachimus	8	32	3	28	*feet*	6	1	5 53
10	a	Eulalia	8	32	3	28	*feet*	6	1	5 53
11		3 sun. in Adv.	8	32	3	28	*head and.*	6	8	5 52
12	f		8	33	3	27	*face*	6	8	5 52
13	b	Lucie	8	32	3	28	*neck*	6	8	5 52
14	c	Nicholaus	8	32	3	28	*neck and*	6	7	5 53
15	f	Witholie.	8	32	3	28	*throat*	6	7	5 53
16	g	⊙ Sapientia.	8	32	3	28	*armes &*	6	7	5 53
17	a	Lazarus	8	32	3	28	*shoulders*	6	7	5 53
18		4 sun. in Adv.	8	32	3	28	*breast*	6	7	5 53
19	c	Geneslus	8	31	3	29	*breast &*	6	7	5 53
20	d	Julian	8	31	3	29	*stomack*	6	7	5 53
21	e		8	30	3	30	*heart &*	6	7	5 53
22	f	Theodosius.	8	30	3	30	*back*	6	6	5 54
23	g	Victoria	8	29	3	31	*bowels*	6	6	5 54
24	a	Adam & Eve	8	29	3	31	*bowels &*	6	6	5 54
25			8	28	3	32	*belly*	6	5	5 55
26	c		8	27	3	33	*reins and*	6	5	5 55
27	d		8	26	3	34	*loins*	6	4	5 56
28	e		8	25	3	35	*secrets &*	6	3	5 57
29	f	The. Becket	8	24	3	36	*bladder*	6	3	5 57
30	g	James trans	8	23	3	37	*thighes*	6	2	5 58
31	a	Silvester	8	22	3	38	*thighes*	6	1	5 59

VAUX. 1659.

A Prognostication, or an Appendix to the precedent Calendar for this present Year of Grace, 1659.

Being the third from Bissextile or Leap-year.

Wherin you may observe a Chronography of the 4 Quarters astronomically grounded; A brief declaration of the several Eclipses of the 2 Luminaries; Several suppositions of the Worlds continuance and ending; An exact Table of interest after the rate of 6 l. *per Cent.* for any time, or sum from 5s to 1000l. A brief Chronology of years, with many usefull, pleasant, and profitable rules and notes, fit for the observation of Scholars, and others.

By *John Vaux* of S. *Hellens-Awckland.*

Anno Ætatis suæ 84. The 39 Edition.

Heu quantum potuit terræ Pelagiq; parari,
Hoc quem Civiles hausserunt sanguine dextræ!

O what might we have gain'd by Seas & Lands
With that dear blood spilt by our proper hands.

Repent ye; for the Kingdom of God is at hand.

London, Printed by *J. L.* for the Company of Stationers, 1659.

The Contents of the precedent Calendar.

IN the first Column is contained the number of daies in each Month by Arithmetical figures.

In the second Column is contained the daies of the week by seven letters.

In the third Column is contained the Festival daies of each Month, the beginning and ending of Terms, with their several Returns, with other daies of note observed for Fairs.

In the fourth Column is contained the hours and minutes of Sun-rising with us at *Northamptland*, which being doubled shews the length of the night following.

In the fifth Column is contained the hours and minutes of Sun-setting there, which being doubled shews the length of the night forepassed.

In the sixth Column is contained the signs in *English*, under which the Moon moveth.

In the seventh Column is contained the hours and minutes of the break of the day.

In the eighth Column is contained the quantity of Twylight for each day in the year.

Crepusculum, or Twylight (as one very well observed) seems to come *a luce crepera seu dubia*, because the light is doubtfull.

Crepusculum est quod tu nec tenebras nec possis dicere lucem. It begins to appear in the morning by the access of the light of the Sun and diffused orbicular reflection of his beams: and in the evening it ends by the recess of the Suns light from the West Horison. For the Ayr, aswell before the rising of the sun, as after his setting, is

a

a little bright, but ſcarce perceptable. Nevertheleſs the ſpace of time comprehended from the firſt appearance of the Suns beams, unto the compleat riſing of the ſun, and from the ſetting of the Sun, unto the obſcure comming of darkneſs, is to be accounted part of the artificial night: the one called *Crepuſculum matutinum*, the other *Crepuſculum veſpertinum*. The *Crepuſculum matutinum* or Morning-twylight begins when the ſun is within 18 degrees of the Horizon. And the *Crepuſculum veſpertinum* or Evening-twylight, ends when the ſun is 18 degrees under the Horizon: for you are to note, the Aſtronomers account it not Night till the ſun be 18 degrees below the Horizon, and therefore we may conclude it to be continual day from the firſt of *May* untill the 25 day of *July*: in all which time the ſun deſcendeth not ſo low under our Horizon in the Meridian of *Durham*.

The exact time of the Suns entrance into the four Cardinal Signs this preſent year 1659.

THe Cardinal Signs are *Aries*, *Cancer*, *Libra*, and *Capricorn*: being as it were the hinges on which the year hangeth, and by which it is divided into 4 Quarters. The Quarters amongſt the *Jews* were called *Tekuphaes*, or *Converſiones anni*, two of which fall into the *Equinoxes*; and two into the *Solſtitial* points; wherein there is as it were *Solis ſtatio*, becauſe for ſome certain daies together, the Sun ſeemeth to ſtand ſtill, the daies being not ſenſibly perceived, either to lengthen or ſhorten: and in the *Equinoxes*, the daies and nights are alwaies equal.

The firſt of theſe Quarters naturally is *Autumn*, becauſe (in all probability) the World was created at that

time of the year, the proof whereof you may ſee in the Book called *Speculum Mundi*, Chap. 2. Howbeit I will here begin with the Spring firſt, becauſe it is the firſt Quarter next after the beginning of our *Julian* year.

Of the Spring.

THe pleaſant ſeaſon of Spring, whoſe Return revives each vegetable, hath his beginning the 10th. day of *March*, at one of the Clock in the afternoon, about 2 minutes after, at which time the reſulgent Sun hath mounfrom the Winter Solſtice to the Equinoctial line, or the firſt ſcruple of *Aries*, and then the Day and Night are of equal length.

Now do the Birds begin to warble forth
Sweet Notes, to welcom Phœbus *to th' North;*
He to requite them, deckech with rich green
All Plants and Trees which dead were well-nigh ſeen;
And by his quickning vertue doth produce
A new ſupply of all things to our uſe.

This Quarter continueth untill the Sun hath made his progreſs through thoſe 3 vernal Signs ♈. ♉. and ♊.

Of Summer.

SUmmer hath his beginning when as that tranſparent Lamp the Sun, hath almoſt mounted to our Zenith, entring the firſt minute of the Tropical Sign *Cancer*, which is the Æſtival Solſtice, and is then in his greateſt declination towards the North from the Equinoctial, being then with us the longeſt day and ſhorteſt night in the year, and is the 10 of *June*, at 4 of the Clock, in the afternoon. This Quarter continueth untili *Phœbus* hath in Majeſty rid through theſe Summer ſigns *Cancer*, *Leo*, and *Virgo*.

Of

Of Autumn or Harveſt.

WHich beginneth when the Sun toucheth the firſt minure of the other Equinoctial ſign ♎. emballancing again his rayes with equal poize to all terrenal Inhabitants, which this year falleth out upon *Tueſday* the 13th. of *September*, about 7 of the Clock in the Morning.

Now Sol *from his Imperial Throne deſcendeth,*
And to th' Antartick *Pole his Journey tendeth,*
At whoſe departure every Plant and Tree,
For grief doth caſt aſide it's bravery,
And ſadly mourns, and cannot like to thrive,
Till he return and them again revive.

Of Winter.

THe Hyemal or Winter Quarter, being the fourth and laſt Quarter of the year Aſtronomical, beginneth with us upon *Sunday* the 11 day of *December*, 6 min. 36 ſec. paſt 11 at Night, at which time the Sun entreth into the firſt ſcruple of *Capricorn*, continuing untill the noble Sun hath paſt that tropical Sign, and in like manner through *Aquarius* and *Piſces*.

See how the ſilly ſapleſs Trees do ſhiver
For want of Kingly Sol *their Comfort-giver;*
And how Dame Flora (*in her Mother earth*)
Doth ſhrowd herſelf from bluſtring Boreas *breath,*
And dare not peep untill he back return,
To quicken Mortals dead with Hyem's *ſpurn.*
Thus waking Phœbus *rounds the worlds great wall*
That alwaies moves, yet alwaies conſtant tarries:
Not ſo the Earth, that fixt, that ſhady ball,
Unmov'd remains, yet each thing thereon varies,
Winds, water, ayr, and fire, all toſt in wars,
One turns to other by eternal jars.

HAving now ſpoken ſomewhat of the four Quarters of the year, I think it not amiſs (under the favourable Protection of Juſtice) to ſpeak ſomething of the four Quarter Seſsions of the year, to the end that he that can but read (and being any way tyed to the attendance of the quarterly ſitting of the Juſtices,) may hereby know their ſeveral beginnings, without expecting any further warning thereof.

The Quarter Seſſions after *Chriſtmas* will be kept upon the 12 day of *January*, and the reaſon (why the Seſſions is ſo long deferred) is, becauſe the Statute 2 *Hen. 5. cap.* 4. ſaith, That the Seſſions ſhall be the firſt week after the *Epiphany*, which is, (as it were) the *Baſis* of the Seſſions: So that if the *Epiphany* ſhall fall upon a *Sunday*, which (according to the *Jewiſh* account) is *feria prima*; yet cannot they begin any ſooner, becauſe according to the intent and meaning of the Statute, the week (wherein the Feaſt falleth) muſt be firſt ended, before the Seſſions can begin. And for proof hereof, I refer you to the Statute it ſelf, which ſaith concerning *Eaſter* Seſſions, that the Seſſions will be the firſt week after the clauſe of *Eaſter*, which is the *wedneſday* ſennight after *Eaſter* day: So that by the like example, if any of theſe three Feaſts, *viz.* the *Epiphany*, the tranſlation of *Thomas* the *Martyr*, or St *Michael* the Archangel, ſhal fall upon *Sunday*, *Monday*, or *Tueſday*, then ſhall the Seſſions (according to that Rule) be upon *wedneſday* Sennight after: but if that in caſe any of theſe Feaſts aforeſaid, ſhall fall upon *Wedneſday*, *Thurſday*, *Friday*, or *Saturday*, which is the clauſe and concluſion of the Week and Feaſt, then ſhall the Seſſions be upon the next *wedneſday* after, for the Week wherein the Feaſt falleth, would be ended before the Seſſions begin. *Seven daies ſhalt thou keep a Feaſt unto the Lord thy God*: *Deut.* 16. So that the eighth day after every Feaſt, is called the

Octa-

Octaves thereof; yet do I not write this, because I would seem to be singular, or dare to prescribe a Law, but so far as the Statute expounds it self, and for the good of my Countrymen, who (peradventure not hearing the Proclamation of the Sessions) may take notice hereby.

The Quarter Sessions after *Easter* will this year begin the 13 day of *April*.

The Quarter Sessions after the translation of St. *Thomas* the *Martyr*, will be kept the 13th day of *July*.

The Quarter sessions after St. *Michael* the Arch-angel, will be kept the 5 day of *October*.

Of Eclipses.

FOur times this year (according to Astronomical comptation) will the two Luminaries be eclipsed, and be conspicuous upon the superficies of this Globe of Mortality; for twice shall the opacous Body of the Moon deprive some part of the Earth of the Suns light, and twice also shall the Moon be subject to the like passion by the Earths interposition between the *Sun* and her: whereof both those of the Moon, and the last of the Sun will (if the Ayr be clear) be visible in *England*.

The first visible Eclipse of the Moon happens upon *Tuesday* the 26 day of *April* in the Evening.

		ho.	*m.*	*sec.*
The beginning of the Eclipse at		6	34	7
The true opposition at		7	54	50
The greatest obscuration, or middle of the Eclipse at		8	00	00
The end thereof at		9	26	01
The total duration at		2	51	54
Digits Eclipsed	*D g.*	8	50	25

Those people shall see the middle of this Eclipse in their Meri-/

Meridian are they that lye under the Longitude of 84. Degrees 19′. ſuch are they who live in *Ruſsia*, *Syria*, *Parthia*, *Hieruſalem*, in the Iſlands of *Magdagaſcar*, *Los Romeros*, and ſuch places as are ſituate in the *Indian* Ocean.

The ſecond is an inviſible Eclipſe of the Sun, upon *Tueſday* the 10 day of *May*, to be ſeen in *Braſilia apud To Vovo*, *Pinan Vaultios*, in the extremity of the Weſtern *Eſtotiland*, in *Mexicana*, *St. Michael Peabuco*, and in the neighbouring places of South *Braſilia*, &c.

The third Eclipſe is a viſible Eclipſe of the Moon upon *Thurſday* in the morning being the 20 of *October*.

		hor.	′	″
The beginning thereof at		1	40	3
The true oppoſition at		3	00	41
The greateſt obſcuration at		3	07	44
The end thereof at		4	35	25
The total duration at		2	55	22
Digits eclipſed	*Dig.*	7	12	59

Thoſe people may obſerve this Eclipſe in their Meridian, who are under the Longitude of 327 Degrees, 42′. 00′. which Meridian paſſeth through South-*Braſilia*, *Mars Del Nort Eſtotiland* near new *France*, &c.

The great Eclipſe of the Sun that will be viſible at *Durham*, is upon *Friday* the 4th of *Novemb.* in the Afternoon.

		hor.	′	″
The beginning thereof at		1	51	48
The viſible oppoſition at		3	02	51
The middle thereof at		3	04	30
The end at		4	13	07
The Digits eclipſed	*Dig.*	8	48	1

of

Of the Worlds Continuance and ending.

THat ſubtle and excellent Philoſopher *Leo Hæbreus* admiring and ſpeaking of the Worlds reſt, ſaith, that after 6000 years are expired, in the 7000th, this elementary World, the earth, and all beneath the Moon, the Cœleſtial World alſo, ſhall take an end: which ſaid opinion is founded upon the *Cheleck* in the *Jewiſh* Sanhedrim, where it is written 6000 years the world ſhall laſt, and then it ſhall decay. Which *Lactantius lib. 7. cap.* 14. illuſtrateth, comparing the 6000 years to the 6 daies of the Weeks labour, the ſeventh to the Sabbaths reſt.

Charon writeth the very ſame in ſubſtance, who in his Hiſtory bringeth in *Elias* the *Jew* (not the *Thesbite*) affirming that the World ſhould laſt but 6000 years, *viz.* 2000 before the flood, 2000 from it to the coming of the *Meſſias*, and from thence, 2000 more to the conſummatiõ of all things, which in all amounteth to 6000. Whereunto *St. Auguſtine* in his firſt book on *Geneſis ad Manichæos* ſome way inclineth. Again,

The World was created in 6 daies, *Gen.* 1. Theſe by Computation of the Scriptures ſeem to note unto us 6000 years, 2 *Pet.* 3 8. *Pſal.* 90 4. Again, *Adam* fell upon the ſixt day, which is a ſymphathy of the Worlds end within 6000 years.

The *Arabs*, *Moors*, and with them the *Jews*, as particularly *Albumazar* a Cabaliſt, have by all likelihood better conjecturd the time of its diſſolution than any before, either *Egyptian* or *Caldean* have done. For within theſe few hundred years, they have diſcovered the *Cabal* and ſecret of the trembling Motion of the eighth Orb, that it doth not accompliſh its courſe, but in 7000 years, which in Analogie and Relation is ſomewhat anſwerable to the Seventh years reſt of the Earth, the ſe-

veath

venth daies reſt from Labour.

Cyprian Ludovicus preſumeth the year (when this diſſolution ſhall be) may be known; However we ſhould hold us to the written word of God, as to an holy Anchor; in which, as we learn, that it had a beginning, ſo we muſt know that it ſhall have an end, and rather to be preparing for the approach of it, than curiouſly and ſuperſtitiouſly, to be enquiring when that ſhall be; ſeeing it hath not pleaſed God to make it known. For where God in the Scripture hath not a Tongue to ſpeak, we ſhould have none to enquire, or ask, or an Ear to hear.

Heſychius ingenuouſly confeſſeth his own ignorance of the Diſſolution of the World, ſince neither to the Son of Man (as he was Man) nor to Angels, that knowledge was revealed. And we are commanded not to pry too far into theſe or ſuch like Myſteries, which concern not our Salvation, and which God hath kept only to himſelf.

Mitte Arcana Dei, Cœlumq; inquirere quid ſit.

But ſeeing that all things muſt be diſſolved, and that the prophetical Scriptures foretelling the Signs that ſhall be fore-runners or harbingers of that dreadfull and terrible day, are perfectly accompliſhed, ſo that in all probability the ſixt day of the Worlds week is near expired, *What manner of Perſons ought we to be in all holy converſation and godlineſs, looking for, and haſting unto the comming of the day of God, wherein the Heavens being on fire ſhall be diſſolved, and the Elements ſhall melt with fervent heat.* 2 Pet. 3. 11, 12.

Let us now at laſt repent with *Niniveh*, and amend our waies, and ſpeedily call upon our mercifull God, leſt he ſuddenly conſume us with *Sodom* and *Gomorrah* in the heat of his wrath and indignation. Let us without delay turn unto the Lord, asking remiſsion of our manifold ſins committed againſt him, ſo iniquity ſhall not be our ruine. *Let the Wicked forſake his waies, and the unrighteous*

teous his own imaginations, and return unto the Lord, and he will have mercy upon him, and to our God, for he will abundantly pardon. Isaiah 55. 7.

When gracious God by ſacred Word
Vouchſafes to call from curſed courſe:
O happy we ten thouſand times,
If feeling hearts do yeeld remorſe.

But if contempt of offer'd Grace
Accuſe us, craving ſentence juſt:
Then curſed we ten thouſand times,
For Hell remains, when hence we muſt.

Conſider this my Country dear,
And mark it ENGLAND *heedily,*
The Lord now ſpeaks, now counſel take,
Or look for vengeance ſpeedily.

A compendious Chronologie of years expired within the compaſs of this preſent year 1659.

Since

THe Creation of the World.	5608
The general Deluge.	3952
Brute entred this Iſland.	2766
The building of the famous City of *London.*	2766
York was built.	2625
The building of the (ſometime famous) City of *Rome.*	2050
The paſsion and death of Chriſt.	1626
Jeruſalem utterly deſtroyed by *Titus Veſp.*	1576
The Chriſtian faith generally received in *England.*	1482
The Chriſtian faith generally received in *Scotland.*	1452
The Chriſtian faith generally received in *Ireland.*	1229
Conſtantine the Great, K. of great *Britain.*	1249

Th

Since

The building of *Durham* Abbey. 664
Duke *William* conquered *England*. 593
The miraculous sinking of Hell-Kettles. 478
The coyning of *Durham* pence. 463
The first Maior of *London*. 450
The Bible was divided into Chapters. 452
The famous Battel at *Nevils Cross* near *Durham*. 312
Pope *Urbanus* the 4th made a new Holiday in honor of the Sacrament, and called it *Corpus Christi* day. 304
The Invention of Guns. 279
The building of *Awcklands* (sometime famous, but now demolished) Chapel by Bishop *Anthony Beake*. 374
But now they break down the carved work thereof with Axes and Hammers. Psal. 74. 6.

Non indignemur mortalia nomina solvi,
Cernimus exemplis oppida posse mori.

Let's not repine that men and names do dye,
Since stone-built Chapels dead and ruin'd lye.

The ancient Mannor-house he did encastelate, he built the great Hall there, (in which there are divers Pillars of black Marble speckled with white) the Great Chamber likewise, and many other Rooms adjoining; He also erected the Quadrant in the West-side of the Castle, for the habitation of Deans and Prebendaries.
The building of *Newton*-Bridge, and the Bridges of *Shinkley* and *Yarum* by *Walter Shirlaw*. 221
The original of the Anabaptists. 134
Martin Luther began to oppose the Pope. 142
The use of Coaches came into *England*. 103
The building of the Royal Exchange. 93
The Rebellion of the Earls of *Northumberland* and *westmoreland*. 83
Tilbury Camp in *Essex* upon S. *James* his day. 71

The

Since

The great fire in *Darlington* 73
The great Eclipſe of the Sun, ever ſince called the dark Saturday. 62
The Diabolical attempt of the Powder Treaſon. 54
The laſt great Froſt. 50
Smithfield was Paved and Railed. 47
King *James* his progreſs into *Scotland*. 41
The birth of *Charls Stewart*. 29
The laſt great Snow. 24
The building of the Free-Grammar-School in *North-Awkland*, by the Reverend Father in God *Thomas* Lord Biſhop of *Dureſm*. 21
The beginning of the long Parliament. 19
The Earl of *Strafford* was beheaded. 18
The Battel of *Keinton* Octob. 23. 17
The battel of *Brainford*, Novem 12. 17
The *Scots* came to aſsiſt the Parliament. 16
The Battel at *Newberry*. 15
The great Battel at *York*. 15
The fatal Battel at *Naſeby*. 14
King *Charls* was beheaded. 11
The ingagement againſt Monarchal Government was generally taken throughout the Commonwealth of *England*. 8
Waſp kill'd *Rutler*. 1

At Wilton *Towns end there was this bloody fray in* February *laſt the ſecond day.*

——*Eunt anni more fluentis aquæ.*
Nec quæ præteriit curſu revocabitur unda,
Nec quæ præteriit hora redire poteſt.
Attendam eſt ætate, cito pede præterit ætas,
Nec bona tam ſequitur quam bona prima fuit.

An Exact Table of Interest, shewing the true
any time, from five shillings to a thousan pound

	1 Month.				2 Months				3 Months.			
	li.	sh.	d.	C.	li.	sh.	d.	C.	li.	sh.	d.	C.
Shill.				30				60				90
				60		0	1	20			1	80
				90		0	2	80			2	70
Pounds.	1			20			2	40			3	60
	2			40			4	80			7	20
	3			60			7	20		10		80
	4			80			9	60	1	2		00
	5			00	0	1	0	00	1	6		60
	6			20	0	1	2	20	1	9		20
	7			40	0	1	4	40	2	1		80
	8			60	0	1	7	80	2	4		40
	9			80	0	1	9	60	2	8		0
Pounds.	10	1	0	0		2	0	0		3	0	0
	20	2	0	0		4	0	0		6	0	0
	30	3	0	0		6	0	0		9	0	0
	40	4	0	0		8	0	0		12	0	0
	50	5	0	0		10	0	0		15	0	0
	60	6	0	0		12	0	0		18	0	0
	70	7	0	0		14	0	0	1	1	0	0
	80	8	0	0		16	0	0	1	4	0	0
	90	9	0	0		18	0	0	1	7	0	0
Pounds.	100	10	0	0	1	0	0	0	1	10	0	0
	200	100	0	0	2	0	0	0	3	0	0	0
	300	110	0	0	3	0	0	0	4	10	0	0
	400	200	0	0	4	0	0	0	6	00	0	0
	500	210	0	0	5	0	0	0	7	10	0	0
	600	300	0	0	6	0	0	0	9	00	0	0
	700	310	0	0	7	0	0	0	10	10	0	0
	800	400	0	0	8	0	0	0	12	00	0	0
	900	410	0	0	9	0	0	0	13	10	0	0
	1000	500	0	0	10	0	0	0	15	00	0	0

Interest due upon any summe of Mony, for for 1 year or under, after the rate of 6 per Centum.

	4 Months.				5 Months.				6 Months.			
	li.	*sh.*	*d.*	*C.*	*li.*	*sh.*	*d.*	*C.*	*li.*	*sh.*	*d.*	*C.*
Shill.	5		1	20			1	50		1	80
	10		2	40			3	60		3	60
	15		3	90			4	50		5	40
Pounds.	1		4	80			6	0		7	20
	2		9	60	1	0	0		1	2	40
	3	1	2	40	1	6	0		1	9	60
	4	1	7	20	2	0	0		2	4	80
	5	2	0	00	2	6	0		3	0	00
	6	2	4	80	3	0	0		3	7	20
	7	2	9	60	3	6	0		4	2	40
	8	3	2	40	4	0	0		4	9	60
	9	3	7	20	4	6	0		5	4	80
	10		4	0	05	0	0			6	0	
	20		8	0	10	0	0			12	0	
	30		12	0	15	0	0			18	0	
	40		16	0	00	0	0		1	04	0	
	50	1	00	0	05	0	0		1	10	0	
	60	1	4	0	10	0	0		1	16	0	
	70	1	8	0	15	0	0		2	02	0	
	80	1	12	0	00	0	0		2	08	0	
	90	1	16	0	05	0	0		2	14	0	
Pounds.	100	2	0	0	2	10	0		3	0	0	
	200	4	0	0	5	00	0		6	0	0	
	300	6	0	0	7	10	0		9	0	0	
	400	8	0	0	10	00	0		12	0	0	
	500	10	0	0	12	10	0		15	0	0	
	600	12	0	0	15	00	0		18	0	0	
	700	14	0	0	17	10	0		21	0	0	
	800	16	0	0	20	00	0		24	0	0	
	900	18	0	0	22	10	0		27	0	0	
	1000	20	0	0	25	00	0		30	0	0	

	7 Months.				8 Months.				9 Months.			
	li.	sh.	d.	C.	li.	sh.	d.	C.	li.	sh.	d.	C.
Shill.	5		2	10		2		40				70
	10		4	20		4		80				40
	15		6	30		7		20				10
Pounds.	1		8	40		9		60				80
	2	1	4	80	1	7		20	1			60
	3	2	1	20	2	4		80	2			40
	4	2	9	60	3	2		40	3			20
	5	3	6	00	4	0		00	4			00
	6	4	2	40	4	9		60	5			80
	7	4	10	80	5	7		20	6			60
	8	5	7	20	6	4		80	7			40
	9	6	3	60	7	2		40	8			20
Pund.	10	07	0	0	08	0		0	09			0
	20	14	0	0	16	0		0	18			0
	30	1 01	0	0	1 04	0		0	1 07			0
	40	1 08	0	0	1 12	0		0	1 16			0
	50	1 15	0	0	2 00	0		0	2 05			0
	60	2 02	0	0	2 08	0		0	2 14			0
	70	2 09	0	0	2 16	0		0	3 03			0
	80	2 16	0	0	3 04	0		0	3 12			0
	90	3 03	0	0	3 12	0		0	4 1			0
Pounds.	100	3 10	0	0	4 0	0		0	4 10			0
	200	7 00	0	0	8 0	0		0	9 00			0
	300	10 10	0	0	12 0	0		0	13 10			0
	400	14 00	0	0	16 0	0		0	18 00			0
	500	17 10	0	0	20 0	0		0	22 10			0
	600	21 00	0	0	24 0	0		0	27 00			0
	700	24 10	0	0	28 0	0		0	31 10			0
	800	28 00	0	0	32 0	0		0	36 00			0
	900	31 10	0	0	36 0	0		0	40 10			0
	1000	35 00	0	0	40 0	0		0	45 00			0

	10 Months.				11 Months.				12 Months.			
	li.	sh.	d.	C.	li.	sh.	d.	C.	li.	sh.	d.	C.
Shill.	5		3	0		3	30			3	60	
	10		6	0		6	60			7	20	
	15		9	0		9	90			10	80	
Pounds.	1	1	0	0	1	0	20		1	2	40	
	2	2	0	0	2	0	40		2	4	80	
	3	3	0	0	3	0	60		3	7	20	
	4	4	0	0	4	0	80		4	9	60	
	5	5	0	0	5	0	00		6	0	00	
	6	6	0	0	6	0	20		7	2	40	
	7	7	0	0	7	0	40		8	4	80	
	8	8	0	0	8	0	60		9	7	20	
	9	9	0	0	9	0	80		10	9	60	
Pound.	10	10	0	0	11	0	0		12	0	0	
	20	1 00	0	0	1 02	0	0		04	0	0	
	30	1 10	0	0	1 13	0	0		1 16	0	0	
	40	2 00	0	0	2 04	0	0		2 08	0	0	
	50	2 10	0	0	2 15	0	0		3 00	0	0	
	60	3 00	0	0	3 06	0	0		3 12	0	0	
	70	3 10	0	0	3 17	0	0		4 04	0	0	
	80	4 00	0	0	4 08	0	0		4 16	0	0	
	90	4 10	0	0	4 19	0	0		5 08	0	0	
Pounds.	100	5 0	0	0	5 10	0	0		6 0	0	0	
	200	10 0	0	0	11 00	0	0		12 0	0	0	
	300	15 0	0	0	16 10	0	0		18 0	0	0	
	400	20 0	0	0	22 00	0	0		24 0	0	0	
	500	25 0	0	0	27 10	0	0		30 0	0	0	
	600	30 0	0	0	33 00	0	0		36 0	0	0	
	700	35 0	0	0	38 10	0	0		42 0	0	0	
	800	40 0	0	0	44 00	0	0		48 0	0	0	
	900	45 0	0	0	49 10	0	0		54 0	0	0	
	1000	50 0	0	0	55 00	0	0		68 0	0	0	

FOr the more exactness in the precedent Table, In every Column the mony is reckoned not only in pounds, shillings, and pence (which is ordinary) but each penny is divided into an hundred parts: which though it may seem somewhat strange at first, yet then they are easily reckoned into farthings, which are more usual with us, for 25 which is a Quarter of an hundred, make one farthing, 50 of these parts are an halfpenny, and 75 are 3 farthings. This considered, I hope there will be no difficulty in the Table.

The use follows.

NOw to find the Interest of any sum of mony for any time by this Table, First look the sum of mony in the side of the Table, then find the time required at the head of the Table, and in the square meeting of these two, you shall find the interest thereof. Only note, if you cannot find your sum of mony, or the time at once, you must take it at two or three times, and so add them together; thus the Interest of 146 pounds for 6 Months will be found thus,

	li.	*s.*	*d.*	*c.*
100 Pounds for 6 Months affords	03	00	00	00
40 Pounds for 6 Months affords	01	04	00	00
6 Pounds for 6 Months affords	00	03	07	20
In all	04	07	07	20

Which amounts in all to 4 *l.* 7 *s.* 7 *d.* and 20 hundred parts of a penny, that is almost a farthing, as I noted before. But this way of reckoning by Months is not altogether so exact as may be wished, for some Months have but 30 daies, and others 31. and *February* hath commonly but 28. And therefore it may be worth the labour (especially in great sums) to look more curiously into the time, and count it by daies, for otherwise there may be wrong done either to the lender or borrower unawares, yet in small sums, it is never worth taking notice of.

The

The order and appellation of our weekly Daies.

OUr weekly daies receive their names from the Planets; as of *Sunday*, *Monday*, and *Saturday*, it is manifeſt; the reſt are more obſcure, yet have they alſo their names from the Planets, only *Tueſday* excepted, receiving his name from *Tuiſco* a Captain, who led the *Germans* from the firſt confuſion of Languages. The reſt are as followeth.

Wedneſday, *Belg. Wodens-day*, from *Wode*, *Mercuries* name, *Belg.*

Thurſday, from *Thor*, an antient Idoll of the Germans, taken for *Jupiter*.

Friday, from the Saxon *Fridach*, the ſame that *Venus*. Notwithſtanding their order is divers from the order of Planets, every day having his name from the Planet ruling the firſt hour after noon that day, which according to the ſituation of the Planets is alwaies the third from that of the day foregoing.

Example, *Sunday* the firſt hour after noon the Sun ruleth, *Venus* the ſecond hour, *Mercury* the third, &c. and ſo proceeding according to the order of the Planets; we ſhall find that on *Monday* the Moon ruleth the firſt hour after noon, being the third from the Sun, &c.

The appellation of certain Feſtival Daies.

EPiphany, or Apparition-day, is ſo ſtyled from ſundry apparitions happening thereon, as the holy Ghoſt deſcending upon our Saviour, the Star guiding the Wiſemen, *Moſes* and *Elias* upon the Mount, &c.

Candlemas day, the day of the Purification of *Mary*, hath his name from the Mass at this time anciently celebrated with Candles and torches burning.

Shrove-tide was the time of auricular confession, *quasi Shrive-tide. Ital. Carne vale. Ang.* Farewell flesh.

Quadragesima is the first Sunday in Lent, when in the imitation of our Saviour, they began to fast (after a sort) forty daies.

Quinquagesima is the *Sunday* next before *Shrove-tide*, and is 50 daies before *Easter*, whence it is named.

Sexagesima is the next before *Quinquagesima*.

Septuagesima is the third *Sunday* before *Shrovetide*, and representeth the 70 years captivity in *Babylon*.

Ashwednesday, as likewise our Ember weeks, are so named, because at those times the people received the sign of the *Cross*, having ashes or embers sprinkled upon their heads, with these words, *Memento homo quod cinis es, & in cinerem reverteris.*

Palm Sunday is the day whereon the way was strewed before our Saviour with Olive branches. It is styled *Pasca florida*, because now leaves and flowers begin to appear.

Advent Sunday signifieth the near approaching of the Nativity, in which regard it was first celebrated, such reverence did the Church bear to that holy time.

Allhallows was heretofore the Heathens Παυθεον, the feast of all their Gods; the Christians term it *All Saints.*

Rogation Sunday was instituted for certain Prayers and Ceremonies then used, much like the Romans *Ambarvalia, februa, &c.*

Easter day retaineth the name of *Eoster* a Goddess, to whom the Saxons did sacrifice, whence *April* was by the Saxons called *Eoster* Monath.

Whitsuntide, q. Albi solis, noting the temperature of the year. This day the holy Ghost descended upon the Apostles. It is called Pentecost, because it is the 50 day from Christs resurrection.

Me-

Memorable things worthy of obſervation within the County of Durham.

THings of rare note obſerved in this our County are Pits of a wonderfull depth, commonly called the *Hell-kettles*, which are adjoyning near unto *Darlington*, whoſe waters are ſomewhat warm. Theſe are thought to come of an Earth-quake which happened in the year of Grace 1179. whereof the Chroniele of *Tinmouth* maketh mention, whoſe Record is a followeth,

On *Chriſtmas day* at *Oxen*-Hall in the territories of *Darlington*, within the County of *Durham*, the ground heaved up aloft like unto a Tower, and ſo continued all day as it were unmoveable untill the evening, and then fell with ſo horrible a noiſe that it made the Neighbour dwellers ſore afraid, and the earth ſwallowed it up, and made in the ſame place three deep Pits, which are there to be ſeen for a teſtimony unto this day.

Of no leſs admiration are certain Stones, lying within the River *Weere* at *Butterbee* near *Durham*, from whoſe ſides, at the low and ebbing water in the Summer iſſueth a ſalt reddiſh water, which with the ſun waxeth white, and growing into a thick ſubſtance becommeth a neceſſary ſalt to the uſe of the By-dwellers.

Comitatus Dunelmenſis ad ſeptentrionem a Northumbria Derventione fluvio dividitur, ad occidentem Cumbriam & Weſtmorlandiam attingit, ad ortum Oceano Germanico pulſatur. Ambitus illius CIII. *mil paſſ. complectitur, triangulari fere forma. Oppida habet* VI. *Eccleſias* CXVIII.

Metropolis Dunelmus, vulgo Durham ſive Dureſme ſitu editiori & munitiſſimo, ſpatio tamen non magno, Ovali quodammodo forma; vyro flumine ab omni præterquam a ſeptentrione circumfunditur & mœnibus firmatur.

tur: Ad auſtralem Cathedralis Eccleſia ſurgit turri conſpicua, in medio imponitur Caſtrum, quodammodo intermedium inter duos pontes e Saxo, quibus fluvius hinc ad ortum, illinc ad occaſum conjungitur, habet & ſua ſuburbia cum ſingulis Eccleſiis.

Cætera oppida ſunt Barnard *Caſtle*, Staindrop, Darlington, Hartlepool, *Emporium celebre, ſitu percommodum et ſtatione fida.* Awkland *editiori tumulo impoſitum, ubi inſignis pons & excidium pulcherrimarum Epiſcopi Ædium conſpicientur.*

Aër hujus Comitatus eſt valde acris et penetrans, ſolum varium, Orientalis pars Campeſtris, Auſtralis montoſa, verſus Occidentem petroſum eſt ſolum re pecuaria tamen et Carbone foſſili incolis quæſtuoſum.

Places of elder time had in account by the *Romans* were *Benovium*, now *Binchester*, and *Condercum*, now *Cheſter* in the Street, where their monies have been digged up, and at *Condercum*, ſo much that *Egelrick* Biſhop of *Durham* was therewith made exceeding rich.

The proportion or quantity of this terreſtrial Globe, according to the judgement of the beſt Aſtronomers both antient and modern.

A Degree of the Heavens containeth 60 *Engliſh* miles.
The circuit of the earth is 360 degrees, or 21600 miles.

The Diameter of the earth containeth $6872\frac{8}{11}$ miles.

The Semediameter of the earth containeth $3436\frac{4}{11}$ miles.

The ſuperficies of the earth containeth $148509061\frac{1}{11}$ ſquare miles.

The

The whole earth containeth 5101313057⁸5 ſquare or cubical miles. Note, that what is ſaid here of the earth is to be underſtood of the earth and waters, for they make but one Globe.

Of ☉ and ☾ which are counted Luminaries.

Quod ipſorum lumine omnia illuſtrentur, the one ruling the day, the other the night; for which they were created in the beginning, *Gen.* 1. 16. *Sol ſons & author eſt lucis, cor planetarum, Dux, Coriphæus, & moderator reliquorum luminum, cor, oculus, anima & mens mundi*, running his Zodaical revolution every year, there are two Prognoſticks of him grounded upon holy Scripture, *Mat.* 16. 2, 3. *viz*

Sero rubens Cœlum, cras indicat eſſe ſerenum:
Sed ſi mane rubet, venturos indicat imbres.
The Evening red, foreſhews next morning fair,
But if the Morn, it ſhowers with bluſtring air.

Now concerning the magnitude of the Sun, the Antients did hold opinion that the Sun was 166 times greater than the earth; But noble *Tycho* (the beſt Obſervator of all others) hath found that he is but 140 times greater, and that he is (in his mean motion) 98900 miles, ſo that the perimeter of his Sphear is 6216571 miles, and ſo much he moveth in a day natural, therefore he goeth in an hour 259023 miles, and in one minute 4317 miles.

Another old Prognoſtick there is of the Moon, which runs thus,

Palida Luna pluit, rubicunda flat, alba ſerenat.
When on the fourth day Luna *lowers,*
Be ſure the enſuing Month of ſhowers:
And if ſhe bluſh and ruddy be,
Expect a bluſtering air to ſee:
But if ſhe caſt a ſmiling eye,
Then ſafely judge ſereinity

She

She is called *Luna, quia aliena luce luceat.* She runneth her courſe in 27 daies, 7 hours. 43 min. and 6 ſec. She is leſs than the earth (according to *Copernicus*) 43 times, ſo that that their Diameters be as ſeven to two, and therefore according to his computation, the body of the Sun muſt contain the body of the Moon 7000 times. She is diſtant from the earth when ſhe is in Apog. 51600 miles, when ſhe is Perig. and neareſt to the earth, ſhe is diſtant 44720 miles, but in her mean motion (according to modern obſervation) ſhe is diſtant 48760 miles from hence, therefore the Perimeter of her Sphear appears to be 306491 miles, and ſo far ſhe runneth in 24 hours, ſo that ſhe goeth in one hour 12770 miles, and in a minute 213 miles *fere, &c.* But being unwilling to tranſgreſs my bounds I will conclude.

Si ſapiens fore vis ſex ſerva que tibi mando,
Quid loqueris, & ubi, de quo, cui, quomodo, quando.

FINIS.